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AMSAT NEWS SERVICE
ANS-104

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://amsat.org publishes news of Amateur Radio in space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat dot org.

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SB SAT @ AMSAT $ANS-104.01
ANS-104 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 104.01
>From AMSAT HQ KENSINGTON, MD.
April 14, 2019
To All RADIO AMATEURS
BID: $ANS-104.01

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Tickets for the 2019 TAPR/AMSAT Banquet are $40 and can be purchased at https://www.amsat.org/p…/tapramsat-joint-hamvention-banquet/

Tickets must be purchased by 18:00 EDT / 22:00 UTC on May 14th.

[ANS thanks TAPR for the above information.]

Seats Still Available for AMSAT Academy

Come join us the day before Hamvention for AMSAT Academy – a unique opportunity to learn all about amateur radio in space and working the FM, linear transponder, and digital satellites currently in orbit.

AMSAT Academy will be held Thursday, May 16, 2019, from 9:00am to 5:00pm, at the Dayton Amateur Radio Association (DARA) Clubhouse, located at 6619 Bellefontaine Rd, Dayton, Ohio.

Registration Fee includes:

+Full day of instruction, designed for both beginners and advanced amateur radio satellite operators, and taught by some of the most accomplished AMSAT operators.
+Digital copy of Getting Started with Amateur Satellites, 2019 Edition ($15 value)
+One-Year, AMSAT Basic Membership ($44 value)
+Pizza Buffet Lunch
+Invitation to the Thursday night AMSAT get together at Ticket Pub and Eatery in Fairborn

AMSAT Academy 2019 Registration Fee: $85.00. Registration closes May 10, 2019. No sign ups at the door. No refunds, No cancellations.

Registration may be purchased on the AMSAT Store.
https://www.amsat.org/product/amsat-academy-registration/

[ANS thanks AMSAT for the above information.]

AMSAT Activities at Hamvention 2019

For a complete list of AMSAT activities at the 2019 Hamvention, see www.amsat.org/other-events/amsat-activities-at-hamvention-2019/
Below, two of these activities are highlighted:

AMSAT Forum, Forum Room 2
Saturday, 18 May 2019, 12:10 – 13:40 EDT
Moderated by Robert Bankston KE4AL, AMSAT Vice President–User Services

AMSAT Status Report – Joseph Spier, K6WAO, AMSAT President, will highlight recent activities within AMSAT and discuss some of our challenges, accomplishments, projects, and any late breaking news.

AMSAT Engineering – Jerry Buxton, N0JY, AMSAT Vice President–Engineering, will talk about the Fox-1 and Golf (Greater Orbit, Larger Footprint) Projects.

AMSAT Education – Alan Johnston, KU2Y, AMSAT Vice President–Educational Relations will introduce the AMSAT CubeSat Simulator.

AMSAT User Services – Robert Bankston, KE4AL, AMSAT Vice President–

User Services, will discuss AMSAT's 50th Anniversary Operating Event and the new AMSAT Ambassadors Program.

Amateur Satellite Demonstrations
Outside Main Entrance – Maxim Hall (Building 1)
Friday, Saturday, Sunday 16 – 19 May 2019, 08:00 – 16:30 EDT
Amateur Satellite operation demonstrations will be held outside the main Maxim Hall (Building 1 or E1) entrance. Every day, AMSAT will be demonstrating actual contacts with the operational amateur satellites. We especially want to invite youth to make a contact via an amateur satellite. All are invited to observe, participate and ask questions. Satellite pass times will be posted at the AMSAT booth (1007-1010 & 1107-1110) and in the demo area.

[ANS thanks AMSAT for the above information]

N8HM to Appear on Ham Talk Live April 18th

It's almost time for the Dayton Hamvention! Be sure to tune in at HamTalkLive.com for a preview each week until Hamvention!

On Thursday, April 18th, AMSAT Executive Vice President Paul Stoetzer, N8HM, will appear on the show to discuss the AMSAT Academy and the other exciting activities AMSAT has planned for the 2019 Hamvention.

Ham Talk Live! is live every Thursday night at 9 pm EDT, and on your favorite podcast app or on demand at HamTalkLive.com. And, HTL! is rebroadcast on Saturdays on WTWW 5085 AM at about 6:30 pm EDT.

[ANS thanks Ham Talk Live for the above information.]

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packet APRS and SSTV capability that thousands of hams can enjoy. The new system will replace the aging, problematic units currently on the ISS. ARISS also needs funding to keep introducing ham radio to thousands of students, teachers, parents, and whole communities – and inspiring students about STEM and radio.

Kenwood has been a super supporter of ARISS for years, and it was the company's idea for this special radio to be an exclusive for one ham to own. The limited edition boxed set 2019 ARRL Handbook sold out fast last fall but ARRL saved one set for ARISS's fundraiser.

AMSAT, ARISS's sponsoring 501(c)(3) corporation, provided the auction infrastructure.

If auctions aren't your thing, please consider a one-time or recurring donation to ARISS at https://www.amsat.org/donations/ariss-donations/

[ANS thanks ARISS for the above information.]

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project was funded by the Department of Science and Technology (DOST) and monitored by the DOST-Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD). The satellite carries an amateur radio payload that has been tested and is now ready for service.

At the request of the STAMINA4Space program, AMSAT hereby designates Diwata-2 as Philippines-OSCAR 101 (PO-101). We congratulate the owners and operators of PO-101, thank them for their contribution to the amateur satellite community, and wish them continued success on this and future projects.

73,

Drew Glasbrenner, KO4MA
AMSAT VP Operations / OSCAR Number Administrator

PO-101 frequency information can be found at at
https://www.amsat.org/fm-satellite-frequency-summary/

Stay tuned to ANS and the AMSAT-BB for operational information.

[ANS thanks Drew Glasbrenner, KO4MA, AMSAT VP Operations / OSCAR Number Administrator for the above information.]

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some breaks to rotate coffee and work satellite passes. Grids along I-40 in AZ/NM/TX/OK, I-44 in OK/MO, I-70 in IL/IN/OH/PA are all fair game! FM + Linears. Chris has a nice grid map with his route posted on his Twitter feed and will post pass availability when he can. https://twitter.com/K7TABravo

+Central and Northern Maine (FN53, FN54, FN55, FN56, FN57, FN65, FN66, FN67) – April 26-28, 2019
Join Matt, W1PY and Sean, KX9X as they team up for a weekend of ham radio through the Pine Tree State! Follow them as they activate the Potato Field grids of central and northern Maine for the satellite community, and hit some state parks on HF for the Parks on the Air and WWFF communities. There will also be spontaneous activations of curious roadside attractions as they roll through.

Grids to be activated on satellite: FN53 – 54 – 55 – 56 – 57 – 65 – 66 – 67. A special effort will be made to activate the grid intersection of FN56-57-66-67 in the potato field north of Caribou. Detailed satellite operations schedule to be announced ASAP.

For more information, check out https://t.co/2irvAUBvAu and keep an eye on Sean’s Twitter feed https://twitter.com/SeanKutzko.

+California (DM15) – April 27, 2019
Dave, AD7DB, will be in DM15 in the high desert town of North Edwards, CA, just outside Edwards AFB. Planned passes are AO-91, AO-92 and SO-50. More exact details on Twitter https://twitter.com/ad7db as the time approaches.

+Northern Border Security Check (Minnesota to Washington) – April 29 to May 4 or 5th, 2019
Alex, N7AGF, is all set for his semiannual rover trip to activate rare and somewhat rare grids, from April 29th to May 4th or 5th (or longer depending on how things go). Alex will fly into Minneapolis and drive back to my home grid CN88, activating as many ENx8,ENx7,DNx8,and DNx7 grids as possible along the route. The hope is to hit many corners and lines.

Alex will be on both linear and FM birds.

As always, activations and route details will be posted to his Twitter @N7AGF at https://twitter.com/N7AGF . Alex will also be on APRS at https://aprs.fi/N7AGF-10. In areas of limited cell service, he’ll be using inReach.

Email or hit Alex on twitter with grid requests, route suggestions, or hot tourist attractions in Minot.

+Northeast North Dakota (EN06/EN07/EN08/EN16/EN17/EN18) – May 2-5, 2019
Mitch, AD0HJ, is heading out to the Grand Forks, ND Hamfest on May 4th , but also just goofing off for a few days in the general area. Mitch will be limited to working the FM Satellites only (SO-50, AO-91, AO-92). Plans are to work EN17/18 on May 2, EN07/08 on May 3, EN17/18 again on May 4 (day of hamfest), and then EN06/16 on May 5. A full pass schedule will be viewable on the Twitter announcement https://twitter.com/KE4ALabama/status/1116524856781230080, and up-to-date pass info on Mitch’s Twitter feed https://twitter.com/AD0HJ.

+Southwest South Dakota (DN83++) – May 19-23, 2019
Clayton, W5PFG, will be operating from DN83 on all FM/SSB satellites holiday-style , May 19-23. Open to schedules with EU. In the days proceeding he’ll be on from DN91 and in the days following from DN74, DN71, potentially DN70, and lastly DM99. Twitter @w5pfg

+Pacific Northwest (CN85, CN83/CN84, CN76/CN86) – May 31 to June 2, 2019
Casey, KI7UNJ, will be on in CN83/84 Friday, May 31st, CN85 Saturday, June 1st, and CN76/86 Sunday, June 2nd. Pass list to come in next few weeks.

+Iceland (HP95 IP15 IP25 IP03 HP03) – July 13-19, 2019
Adam, K0FFY, is taking his family (and his radios) to Iceland. Tentative schedule is HP95 July 13, IP13 and IP15 July 14-15, IP25 July 16, IP03 or HP93 July 17-18, and HP94 July 19. There's a lot to see, so passes will be best effort and announced on Twitter shortly prior. https://twitter.com/K0FFY_Radio

[ANS Thanks Robert Bankston, KE4AL, for the above information]

Satellite Shorts from All Over

+ FUNcube on ESEO Payload Activated
On April 12th, the FUNcube on ESEO 145.895 MHz 1k2 BPSK beacon was briefly activated, confirming the functionality of the payload. The FUNcube on ESEO payload consists of a 1k2/4k8 BPSK telemetry beacon and an L/v FM repeater with an uplink of 1263.500 MHz and a downlink of 145.895 MHz. Stay tuned for further information.
(ANS thanks AMSAT-UK for the above information)

+ FO-99 (NEXUS) Twitter
The Nihon University Ground Station twitter account (@GsNihonuniv) is now posting operational updates for FO-99 in English. Check https://twitter.com/GsNihonuniv for FO-99 operational information.

+ AO-85 Keplerian Elements No Longer Restricted
18 Space Control Squadron has removed the NEA status for an additional 43 objects, including AO-85. This means entities other than AMSAT, including Celestrak, may distribute the Keplerian elements for AO-85. They should appear in Celestrak's amateur.txt file shortly
(ANS thanks T.S. Kelso of Celestrak for the above information)

+ Australian CubeSat to use 76 GHz Amateur Satellite Band
An Australian CubeSat, CUAVA-1, is expcted to include a downlink on 76 GHz. Details at https://amsat-uk.org/2019/04/12/australian-cubesat-to-use-76-ghz/
(ANS thanks the IARU Satellite Coordination Panel and AMSAT-UK)

+ The Orbital Index
The Orbital Index is a newsletter written by Andrew Cantino and Ben Lachman. We strive to keep it focused, technical, and enjoyable. Basically you should be able to read it over lunch and learn something you didn't know before. Subscribe or check out the archives at http://orbitalindex.com/
(ANS thanks The Orbital Index for the above information)

+ AD0DX Completes Satellite WAS
Congratulations to AD0DX on receiving Satellite Worked All States #377. His last QSO for WAS was with N8HM in Washington, DC. For WAS, the District of Columbia counts as Maryland.
(ANS thanks AD0DX and N8HM for the above information)

(Editor's note - while DC is definitely not Maryland, I am happy to assist anyone who needs MD for WAS while this rule remains in

place)

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT office.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of six post-secondary years in this status.

Contact Martha at the AMSAT office for additional student membership information.

73,

This week's ANS Editor,

Paul Stoetzer, N8HM
n8hm at amsat dot org